RF exposure

The output power of the EUT is 302 mW and the gain of the antenna is 2dBi. The product is a fixed location transmitter.

The following information provides the minimum separation distance for the EUT, as calculated from **FCC OET 65 Appendix B, Table 1B** "Guidelines for General Population/Uncontrolled Exposure"

This calculation is based on the highest EIRP possible from the EUT considering maximum power and antenna gain. The following formulas were used:

GP limit is = 0.61 mW/cm^2 for 917.6 MHz (from F/1500)
Pwatts*Ggain or ERP = 10^(PdBm-30+GdBi)/10) =0.479 Watts
S= E^2/3770 mW/cm^2
E or V/m = (ERP*30)^0.5/d, (d in meters)
d = ((ERP*30)/3770*S))^0.5

Freq. MHz	S GP limit mW/cm^2	Maximum RF power dBm	Antenna Gain dBi	ERP watts	E V/m	MSD d meters
917.650	0.611733 0.2	24.8	2	0.479	48.0	0.079

GP is the limit for general Population/Uncontrolled Exposure
MSD is the minimum Seperation Distance

NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less